



1119-14.ST25  
SEQUENCE LISTING

<110> The Rockefeller University  
<120> Pancreatic Islet microRNA and Methods for Inhibiting Same  
<130> 1119-14  
<140> 10/824,633  
<141> 2004-04-13  
<160> 68  
<170> PatentIn version 3.1  
<210> 1  
<211> 22  
<212> RNA  
<213> Homo sapiens  
<400> 1  
uuuguucguu cggcucgcgu ga 22  
  
<210> 2  
<211> 21  
<212> RNA  
<213> Homo sapiens  
<400> 2  
aucauagagg aaaauccacg u 21  
  
<210> 3  
<211> 22  
<212> RNA  
<213> Homo sapiens  
<400> 3  
aucacacaaa ggcaacuuuu gu 22  
  
<210> 4  
<211> 22  
<212> RNA  
<213> Homo sapiens  
<400> 4  
cuccugacuc cagguccugu gu 22  
  
<210> 5  
<211> 19  
<212> RNA  
<213> Homo sapiens  
<400> 5  
ugguagacua uggaacgua 19  
  
<210> 6  
<211> 19  
<212> RNA

|   |    |
|---|----|
| <213> Homo sapiens                                      |    |
| <400> 6<br>ugguugacca uagaacaug                         | 19 |
| <210> 7<br><211> 22<br><212> RNA<br><213> Homo sapiens  |    |
| <400> 7<br>uauacaaggg caagcucucu gu                     | 22 |
| <210> 8<br><211> 22<br><212> RNA<br><213> Homo sapiens  |    |
| <400> 8<br>gaaguuguuc gugguggauu cg                     | 22 |
| <210> 9<br><211> 22<br><212> RNA<br><213> Homo sapiens  |    |
| <400> 9<br>agaucagaag gugacugugg cu                     | 22 |
| <210> 10<br><211> 20<br><212> RNA<br><213> Homo sapiens |    |
| <400> 10<br>auuccuagaa auuguucaua                       | 20 |
| <210> 11<br><211> 22<br><212> RNA<br><213> Mouse        |    |
| <400> 11<br>uuuguucguu cggcucgcgu ga                    | 22 |
| <210> 12<br><211> 21<br><212> RNA<br><213> Mouse        |    |
| <400> 12<br>aucguagagg aaaauccacg u                     | 21 |
| <210> 13<br><211> 22<br><212> RNA                       |    |

|  |    |
|--|----|
| <213> Mouse                                      |    |
| <400> 13<br>aucacacaaa ggcaacuuuu gu             | 22 |
| <210> 14<br><211> 22<br><212> RNA<br><213> Mouse |    |
| <400> 14<br>cuccugacuc cagguccugu gu             | 22 |
| <210> 15<br><211> 19<br><212> RNA<br><213> Mouse |    |
| <400> 15<br>ugguagacua uggaacgua                 | 19 |
| <210> 16<br><211> 19<br><212> RNA<br><213> Mouse |    |
| <400> 16<br>ugguugacca uagaacaug                 | 19 |
| <210> 17<br><211> 22<br><212> RNA<br><213> Mouse |    |
| <400> 17<br>uauacaaggg caagcucucu gu             | 22 |
| <210> 18<br><211> 22<br><212> RNA<br><213> Mouse |    |
| <400> 18<br>gaaguuguuc gugguggauu cg             | 22 |
| <210> 19<br><211> 22<br><212> RNA<br><213> Mouse |    |
| <400> 19<br>agaucagaag gugacugugg cu             | 22 |
| <210> 20<br><211> 20<br><212> RNA                |    |

1119-14.ST25

|   |    |
|---|----|
| <213> Mouse   |    |
| <400> 20  | 20 |
| auuccuagaa auuguucaca   |    |
| <210> 21  |    |
| <211> 64  |    |
| <212> RNA   |    |
| <213> Homo sapiens  |    |
| <400> 21  | 60 |
| ccccgcgacg agccccucgc acaaaccgga ccugagcguu uuguucguuc ggcucgcgug |    |
| aggc  | 64 |
| <210> 22  |    |
| <211> 68  |    |
| <212> RNA   |    |
| <213> Homo sapiens  |    |
| <400> 22  | 60 |
| uaaaagguag auucuccuuc uaugaguaca uuauuuuga uaaaucauag aggaaaaucc  |    |
| acguuuuc  | 68 |
| <210> 23  |    |
| <211> 69  |    |
| <212> RNA   |    |
| <213> Homo sapiens  |    |
| <400> 23  | 60 |
| uugagcagag guugcccuug gugaauucgc uuuaauuug uugaaucaca caaaggcaac  |    |
| uuuuguuug   | 69 |
| <210> 24  |    |
| <211> 66  |    |
| <212> RNA   |    |
| <213> Homo sapiens  |    |
| <400> 24  | 60 |
| ggggcuccug acuccagguc cuguguguua ccucgaaaua gcacuggacu uggagucaga |    |
| aggccu  | 66 |
| <210> 25  |    |
| <211> 67  |    |
| <212> RNA   |    |
| <213> Homo sapiens  |    |
| <400> 25  | 60 |
| agagauggua gacuauggaa cguaggcguu augauuucug accuauguua caugguccac |    |
| uaacucu   | 67 |
| <210> 26  |    |
| <211> 61  |    |

1119-14.ST25

<212> RNA  
 <213> Homo sapiens

<400> 26  
 aagaugguug accauagaac augcgcuau ucugugucgu auguaauaug guccacau cu 60  
 u 61

<210> 27  
 <211> 75  
 <212> RNA  
 <213> Homo sapiens

<400> 27  
 uacuuaaagc gagguugccc uuuguauuu cgguuuauug acauggaaua uacaaggga 60  
 agcucucugu gagua 75

<210> 28  
 <211> 76  
 <212> RNA  
 <213> Homo sapiens

<400> 28  
 uacuugaaga gaaguuguuc gugguggauu cgcuuuacuu augacgauc auucacggac 60  
 aacacuuuuu ucagua 76

<210> 29  
 <211> 73  
 <212> RNA  
 <213> Homo sapiens

<400> 29  
 cuccucagau cagaagguga uuguggcuuu ggguggauau uaaucagcca cagcacugcc 60  
 uggucagaaa gag 73

<210> 30  
 <211> 88  
 <212> RNA  
 <213> Homo sapiens

<400> 30  
 uguuaaaauca ggaauuuuaa acaauuccua gacaauaugu auaauguua uaagucuuuc 60  
 cuagaaaauug uucauaaagc cuguaaca 88

<210> 31  
 <211> 64  
 <212> RNA  
 <213> Mouse

<400> 31  
 ccccgcgacg agccccucgc acaaaccgga ccugagcguu uuguucguuc ggcucgug 60  
 aggc 64

1119-14.ST25

<210> 32  
<211> 68  
<212> RNA  
<213> Mouse

<400> 32  
uaaaagguag auucuccuuc uaugaguaca auauuaauga cuaaucguag aggaaaaucc 60  
acguuuuc 68

<210> 33  
<211> 68  
<212> RNA  
<213> Mouse

<400> 33  
ugagcagagg uugcccuugg ugaauucgcu uuauugaugu ugaucacac aaaggcaacu 60  
uuuguuug 68

<210> 34  
<211> 66  
<212> RNA  
<213> Mouse

<400> 34  
ggggcuccug acuccagguc cuguguguua ccucgaaaua gcacuggacu uggagucaga 60  
aggccu 66

<210> 35  
<211> 66  
<212> RNA  
<213> Mouse

<400> 35  
agagauggua gacuauggaa cguaggcguu auguuuuuga ccuauguaac augguccacu 60  
aacucu 66

<210> 36  
<211> 61  
<212> RNA  
<213> Mouse

<400> 36  
aagaugguug accauagaac augcgcuauc ucugugucgu auguaguaug guccacauc 60  
u 61

<210> 37  
<211> 75  
<212> RNA  
<213> Mouse

<400> 37  
uacuuaaagc gagguugccc uuuguauuu cgguuuauug acauggaaua uacaaggga 60

agcucucugu gagua 75

<210> 38  
 <211> 76  
 <212> RNA  
 <213> Mouse

<400> 38  
 uacuugaaga gaaguuguuc gugguggauu cgcuuuacuu gugacgauc auucacggac 60  
 aacacuuuuu ucagua 76

<210> 39  
 <211> 70  
 <212> RNA  
 <213> Mouse

<400> 39  
 cucagauacag aaggugacug uggcuuuggg uggauuuuaa ucagccacag cacugccugg 60  
 ucagaaagag 70

<210> 40  
 <211> 88  
 <212> RNA  
 <213> Mouse

<400> 40  
 uguuuauca ggaauuguuaa acaauuccua ggcaaugugu auaauguugg uaagucuuuc 60  
 cuagaaauug uucacaaugc cuguaaca 88

<210> 41  
 <211> 22  
 <212> RNA  
 <213> Artificial sequence

<220>  
 <223> anti-pancreatic islet microRNA molecule

<400> 41  
 ucacgcgagc cgaacgaaca aa 22

<210> 42  
 <211> 21  
 <212> RNA  
 <213> Artificial sequence

<220>  
 <223> anti-pancreatic islet microRNA molecule

<400> 42  
 acguggauuu uccucuauga u 21

<210> 43  
 <211> 22

<212> RNA  
 <213> Artificial sequence  
 <220>  
 <223> anti-pancreatic islet microRNA molecule  
 <400> 43  
 acaaaaguug ccuuugugug au 22

<210> 44  
 <211> 22  
 <212> RNA  
 <213> Artificial sequence  
 <220>  
 <223> anti-pancreatic islet microRNA molecule  
 <400> 44  
 acacaggacc uggagucagg ag 22

<210> 45  
 <211> 19  
 <212> RNA  
 <213> Artificial sequence  
 <220>  
 <223> anti-pancreatic islet microRNA molecule  
 <400> 45  
 uacguuccau agucuacca 19

<210> 46  
 <211> 19  
 <212> RNA  
 <213> Artificial sequence  
 <220>  
 <223> anti-pancreatic islet microRNA molecule  
 <400> 46  
 cauguucuaug gucaacca 19

<210> 47  
 <211> 22  
 <212> RNA  
 <213> Artificial sequence  
 <220>  
 <223> anti-pancreatic islet microRNA molecule  
 <400> 47  
 acagagagcu ugcccuugua ua 22

<210> 48  
 <211> 22  
 <212> RNA  
 <213> Artificial sequence



<220>  
 <223> anti-pancreatic islet microRNA molecule  
 <400> 48  
 cgaauccacc acgaacaacu uc 22

<210> 49  
 <211> 22  
 <212> RNA  
 <213> Artificial sequence

<220>  
 <223> anti-pancreatic islet microRNA molecule  
 <400> 49  
 agccacaau accuucugau cu 22

<210> 50  
 <211> 20  
 <212> RNA  
 <213> Artificial sequence

<220>  
 <223> anti-pancreatic islet microRNA molecule  
 <400> 50  
 uaugaacaau uucuaggaau 20

<210> 51  
 <211> 22  
 <212> RNA  
 <213> Artificial sequence

<220>  
 <223> anti-pancreatic islet microRNA molecule  
 <400> 51  
 ucacgcgagc cgaacgaaca aa 22

<210> 52  
 <211> 21  
 <212> RNA  
 <213> Artificial sequence

<220>  
 <223> anti-pancreatic islet microRNA sequence  
 <400> 52  
 acguggauuu uccucuacga u 21

<210> 53  
 <211> 22  
 <212> RNA  
 <213> Artificial sequence

<220>  
 <223> anti-pancreatic islet microRNA molecule

<400> 53  
 acaaaaguug ccuuugugug au 22

<210> 54  
 <211> 22  
 <212> RNA  
 <213> Artificial sequence

<220>  
 <223> anti-pancreatic islet microRNA molecule

<400> 54  
 acacaggacc uggagucagg ag 22

<210> 55  
 <211> 19  
 <212> RNA  
 <213> Artificial sequence

<220>  
 <223> anti-pancreatic islet microRNA molecule

<400> 55  
 uacguuccau agucuacca 19

<210> 56  
 <211> 19  
 <212> RNA  
 <213> Artificial sequence

<220>  
 <223> anti-pancreatic islet microRNA molecule

<400> 56  
 cauguucuaug gucaacca 19

<210> 57  
 <211> 22  
 <212> RNA  
 <213> Artificial sequence

<220>  
 <223> anti-pancreatic islet microRNA molecule

<400> 57  
 acagagagcu ugcccuugua ua 22

<210> 58  
 <211> 22  
 <212> RNA  
 <213> Artificial sequence

<220>  
 <223> anti-pancreatic islet microRNA sequence

<400> 58  
 cgaauccacc acgaacaacu uc 22

<210> 59  
 <211> 22  
 <212> RNA  
 <213> Artificial sequence  
  
 <220>  
 <223> anti-pancreatic islet microRNA molecule  
  
 <400> 59  
 agccacaguc accuucugau cu 22  
  
 <210> 60  
 <211> 20  
 <212> RNA  
 <213> Artificial sequence  
  
 <220>  
 <223> anti-pancreatic microRNA molecule  
  
 <400> 60  
 ugugaacaau uucuaggaau 20  
  
 <210> 61  
 <211> 25  
 <212> DNA  
 <213> Artificial sequence  
  
 <220>  
 <223> primer  
  
 <400> 61  
 tccatcattt catatgcact gtatc 25  
  
 <210> 62  
 <211> 25  
 <212> DNA  
 <213> Artificial sequence  
  
 <220>  
 <223> primer  
  
 <400> 62  
 tcatatcggt aaggacgtct ggaaa 25  
  
 <210> 63  
 <211> 44  
 <212> DNA  
 <213> Artificial sequence  
  
 <220>  
 <223> primer  
  
 <400> 63  
 aagtttcgtg ttgcaagccc ccctggaata aacttgaatt gtgc 44  
  
 <210> 64  
 <211> 44

1119-14.ST25

<212> DNA  
 <213> Artificial sequence  
 <220>  
 <223> primer  
 <400> 64  
 gcacaattca agttttattcc aggggggctt gcaacacgaa actt 44  
 <210> 65  
 <211> 25  
 <212> DNA  
 <213> Artificial sequence  
 <220>  
 <223> primer  
 <400> 65  
 gtggggcctg aaaaacggag acttg 25  
 <210> 66  
 <211> 25  
 <212> DNA  
 <213> Artificial sequence  
 <220>  
 <223> primer  
 <400> 66  
 ccctttgaca gaagcaattt cacgc 25  
 <210> 67  
 <211> 29  
 <212> DNA  
 <213> Artificial sequence  
 <220>  
 <223> primer  
 <400> 67  
 ccccaaggct gatgctgaga agccgcccc 29  
 <210> 68  
 <211> 21  
 <212> DNA  
 <213> Artificial sequence  
 <220>  
 <223> primer  
 <400> 68  
 gccgcccggc cccgggtctt c 21